

AMENDMENTS TO THE CLAIMS:

Please cancel claim 25 without prejudice or disclaimer.

1. (Currently Amended) A wind-power unit comprising a wind turbine and an electric generator connected to the wind turbine, the stator of the generator having a winding comprising a high-voltage cable, said cable comprising a core of conducting material, a first layer of semiconducting material surrounding the core, an insulating layer of solid material surrounding the first layer, and a second layer of semiconducting material surrounding the insulating layer, ~~characterized in that~~ wherein the wind turbine is ~~provided~~ includes with a plurality of turbine blades running substantially vertically and connected to a turbine shaft running substantially vertically, and in that the generator is arranged at the lower end of the turbine shaft.

2. (Currently Amended) A wind-power unit as claimed in claim 1, ~~characterized in that~~ wherein the generator is arranged to be able to be in operation for a long period of time with an output several times greater than the rated output, preferably 3-5 times the rated output.

3. (Currently Amended) A wind-power unit as claimed in claim 1 ~~or claim 2~~, ~~characterized in that~~ wherein the winding is arranged for a field strength exceeding 10 kV/mm.

4. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-3~~ claim 1, ~~characterized in that~~ wherein the wind turbine is mechanically dimensioned for operation in wind strengths above 13 m/s with the same turbine-blade setting as at lower wind strengths.

5. (Currently Amended) A wind-power unit as claimed in claim 4, ~~characterized in that~~ wherein the wind turbine is mechanically dimensioned for operation in wind strengths in excess of 25 m/s.

6. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-5~~ claim 1, ~~characterized in that~~ wherein the rotor of the generator is provided with permanent magnets.

7. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-6~~  
~~claim 1, characterized in that~~ wherein the generator comprises a self-starting winding.

8. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-7~~  
~~claim 1, characterized in that~~ wherein the main winding of the generator is arranged to permit starting of the unit.

9. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-8~~  
~~claim 1, characterized in that~~ wherein the rotor shaft of the generator is substantially vertical and concentric with the turbine shaft.

10. (Currently Amended) A wind-power unit as claimed in claim 9, ~~characterized in that~~ wherein the unit comprises a base arranged under the generator, on which base the generator rotor is journaled in an axial bearing.

11. (Currently Amended) A wind-power unit as claimed in claim 10,  
~~characterized in that~~ wherein the axial bearing is dimensioned to carry both the weight of the generator rotor and that of the wind turbine.

12. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-11~~  
~~claim 1, characterized in that~~ wherein the weight of the wind turbine is carried primarily by the turbine shaft, said shaft thus also functioning as a mast for the unit.

13. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-12~~  
~~claim 1, characterized in that~~ wherein the upper part of the turbine shaft is journaled in at least one radial bearing that is secured laterally by inclined stays and/or bracing cables.

14. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-13~~  
~~claim 1, characterized in that~~ wherein the turbine shaft is jointed at its lower part.

15. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-14~~  
~~claim 1, characterized in that~~ wherein the turbine blades are substantially rectilinear.

16. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-14~~ claim 1, ~~characterized in that~~ wherein both ends of each turbine blade are situated close to the turbine shaft and the blades run in a curved shape between their ends.

17. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-14~~ claim 1, ~~characterized in that~~ wherein the upper end of each turbine blade is situated close to the upper end of the turbine shaft and its lower end is situated a relatively large distance from the turbine shaft, said distance being preferably within the interval 0.1-0.5 times the length of the turbine shaft, and in that each turbine blade runs in a curve from its upper to its lower end.

18. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-17~~ claim 1, ~~characterized in that~~ wherein the turbine blades have asymmetrical profile in a cross section.

19. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-18~~ claim 1, ~~characterized in that~~ wherein the profile of the turbine blades in a cross section is regular during operation.

20. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-19~~, claim 1, ~~characterized in that~~ wherein it is designed for placement at sea.

21. (Currently Amended) A wind-power unit as claimed in ~~any one of claims 1-19~~ claim 1, ~~characterized in that~~ wherein it is designed for placement on mountain ranges.

22. (Currently Amended) A wind-power plant as claimed in ~~any one of claims 1-24~~ claim 1, ~~characterized in that~~ wherein the stator winding of each wind-power unit is connected by a rectifier to an inverter that is common to a plurality of wind-power units, said inverter being arranged to supply energy to an electric supply network.

23. (Original) A wind-power plant as claimed in claim 22, ~~characterized in that~~ wherein its unit is designed for placement at sea, ~~that and~~ and each inverter is arranged in connection with each unit and in that the inverter is arranged on land.

24. (Original) A wind-power plant as claimed in claim 23, ~~characterized in that~~ wherein each wind-power unit is connected to the inverter via a cable arranged on or close to the sea/lake bed.

25. (Cancelled)

26. (Original) A method of generating electric power wherein a wind turbine and an electric generator are arranged connected together and the stator of the generator is wound with high-voltage cable, said cable comprising a core of conducting material, a first layer of semiconducting material surrounding the core, an insulating layer of solid material surrounding the first layer, and a second layer of semiconducting material surrounding the insulating layer, ~~characterized in that~~ wherein the wind turbine is provided with a plurality of turbine blades running substantially vertically and connected to a turbine shaft oriented substantially vertically, and in that the generator is arranged at the lower end of the turbine shaft.

27. (Original) A method as claimed in claim 26, ~~characterized in that~~ wherein the method is utilized when using a wind-power unit ~~as claimed in any one of claims 1-24.~~

28. (Currently Amended) A method as claimed in claim 26 ~~or 27, characterized in that~~ wherein the wind turbine is kept in active operation at wind strengths in excess of 13 m/s without altering the turbine blades and without the wind turbine being retarded.

29. (Original) A method as claimed in claim 28, ~~characterized in that~~ wherein the wind turbine is kept in active operation at wind strengths in excess of 25 m/s.